

The present specification discloses a hydrogen generating apparatus characterized in that a fuel and water are fed to the reforming part, which has been heated, an oxidant gas from the oxidant gas feeding part is mixed in a reformed gas introduced into the shifting part and a shifted gas introduced into the purification part obtained in the shifting part, and at least a part of the reformed gas and at least a part of the shifted gas are oxidized respectively in the shifting part and the purification part. According to the present invention, there is provided a hydrogen generating apparatus assuming daily starting-up and stopping in which the temperatures of catalysts in respective reaction parts can be stabilized in a short period of time with a simple constitution.